

AMENDMENTS TO THE CLAIMS

A Listing of Claims is provided as follows and will replace any previous listing. No new matter has been added.

Listing of Claims

1-12. (Canceled)

13. (Previously Presented) An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of:

- (a) the nucleotide sequence encoding the polypeptide comprising the amino acid sequence of SEQ ID NO: 2;
- (b) the polynucleotide complementary to nucleotide sequence of (a).

14. (Previously Presented) The polynucleotide of claim 13 wherein said nucleotide sequence encodes a polypeptide having the amino acid sequence of SEQ ID NO: 2.

15. (Previously Presented) The polynucleotide of claim 13 wherein said nucleotide sequence comprises nucleotides 1-2484 of the nucleotide sequence of SEQ ID NO: 1.

16. (Previously Presented) A vector containing the polynucleotide of claim 13.

17. (Previously Presented) A genetically engineered host cell containing the vector of claim 16.

18. (Previously Presented) A method for producing Rhor protein comprising the following steps:

- (a) culturing the host cell of claim 17 under the conditions suitable for expression of protein;
- (b) isolating the Rhor protein from the culture.

19. (Canceled)

20. (Currently Amended) A composition comprising a safe and efficient amount of the polypeptide of claim [[11]] 25 and a pharmaceutically acceptable carrier.

21-24. (Canceled)

25. (New) An isolated Rhor polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

26. (New) The polypeptide of claim 25 wherein the polypeptide is a polypeptide having the amino acid sequence of SEQ ID NO: 2.

27. (New) A kit for detecting susceptibility of baldness comprising the primers which specifically amplify the Rhor gene or transcript.

28. (New) A method for preparing a medicine used for treating baldness, comprising mixing a mammal Rhor polypeptide with a pharmaceutically acceptable carrier, thereby forming a medicine used for treating baldness.

29. (New) The method of claim 28 wherein the Rhor polypeptide is from mouse or human.

30. (New) The method of claim 29 wherein the Rhor polypeptide comprises the amino acid sequence of SEQ ID NO: 2.

31. (New) A method for treating baldness in a mammal animal comprising the steps of administrating the Rhor polypeptide to a subject in need of.

32. (New) The method of claim 31 wherein the Rhor polypeptide is from mouse or human.

33. (New) The method of claim 32 wherein the Rhor polypeptide comprises the amino acid sequence of SEQ ID NO: 2.